

A MOSFET-FUSED NONVOLATILE READ-ONLY MEMORY CELL (MOFROM)

ABSTRACT OF THE DISCLOSURE

With directly biasing drain to source in a floating-gate N-MOSFET, a new

- 5 MOSFET-fused nonvolatile ROM cell (MOFROM) is provided by tunneling-induced punch through of the drain junction to the source. The MOFROM is completely compatible with the mainstream standard CMOS process. The standard MOSFET presents an "OFF" state before the burning and an "ON" state with a stable low-resistance path after the burning.

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